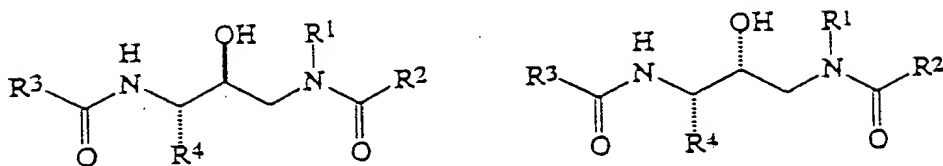


Intermediate of Peptide Hydrolysis



Hydroxyethylamine-Based Inhibitors

FIG. 1

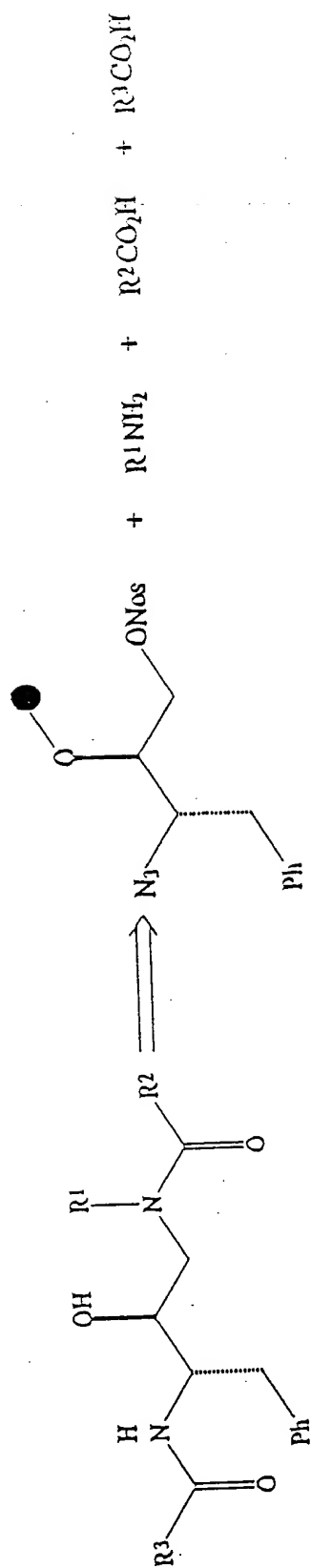


FIG. 2

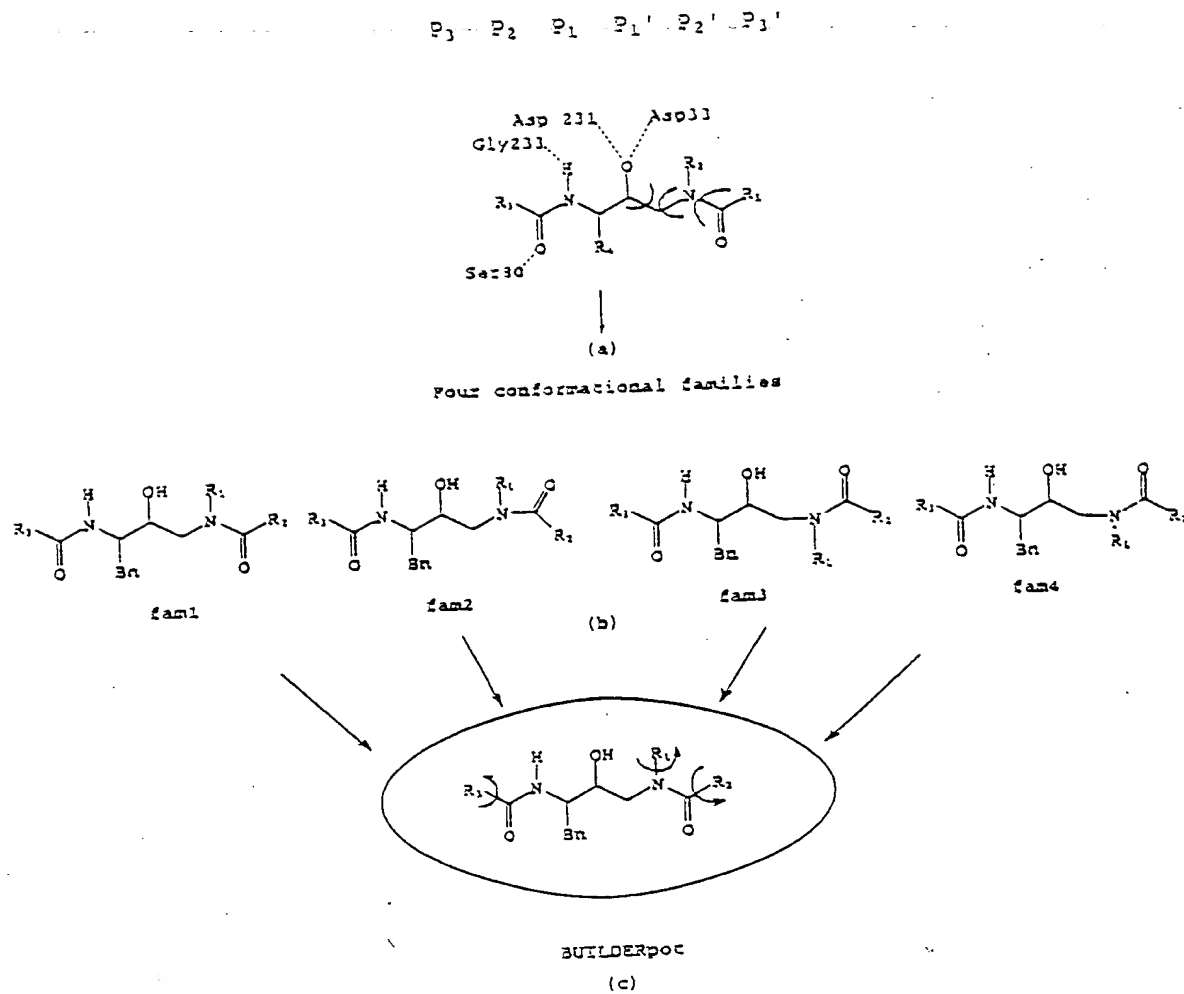


FIG. 3

R₁ substituent

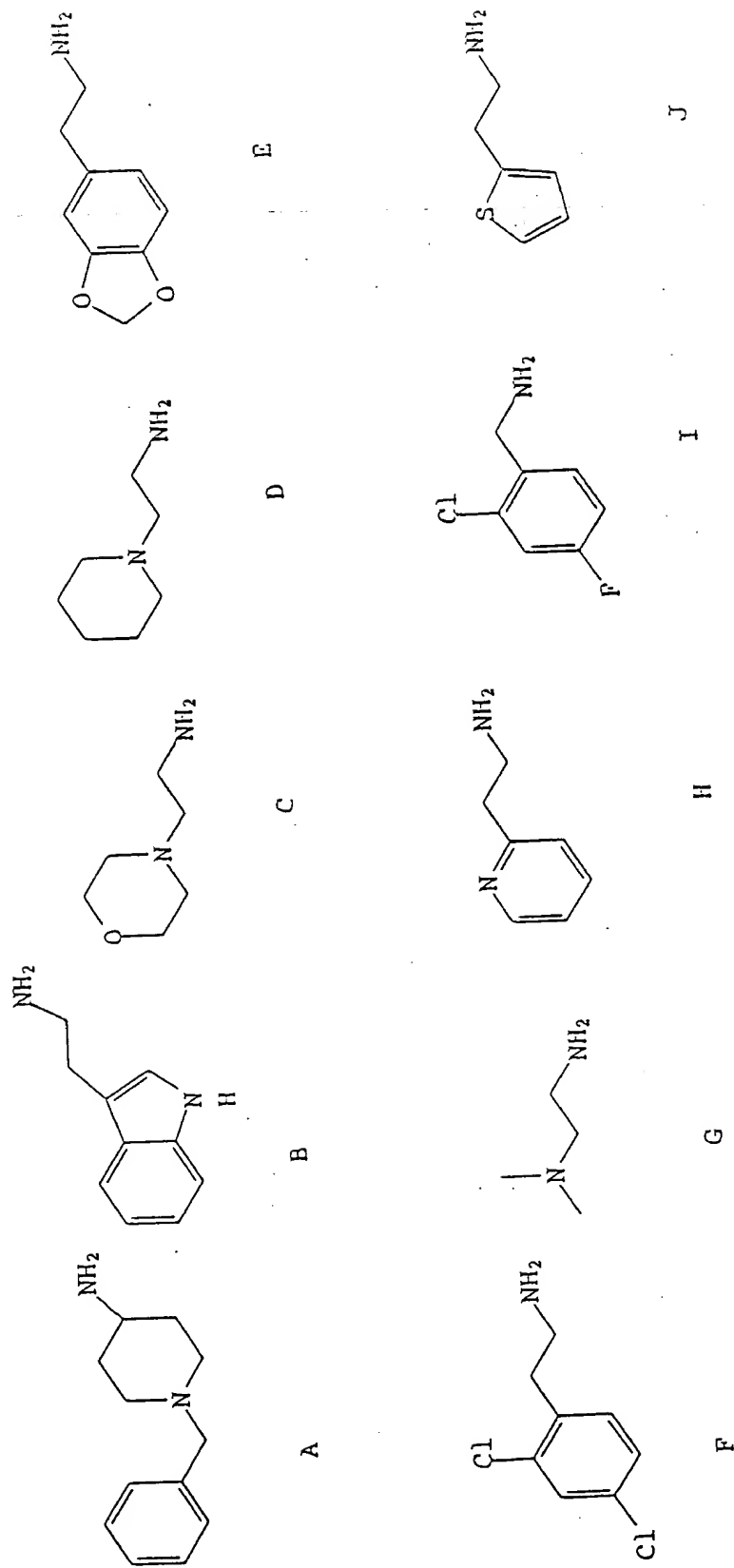


FIG. 4A

R₂ substituent

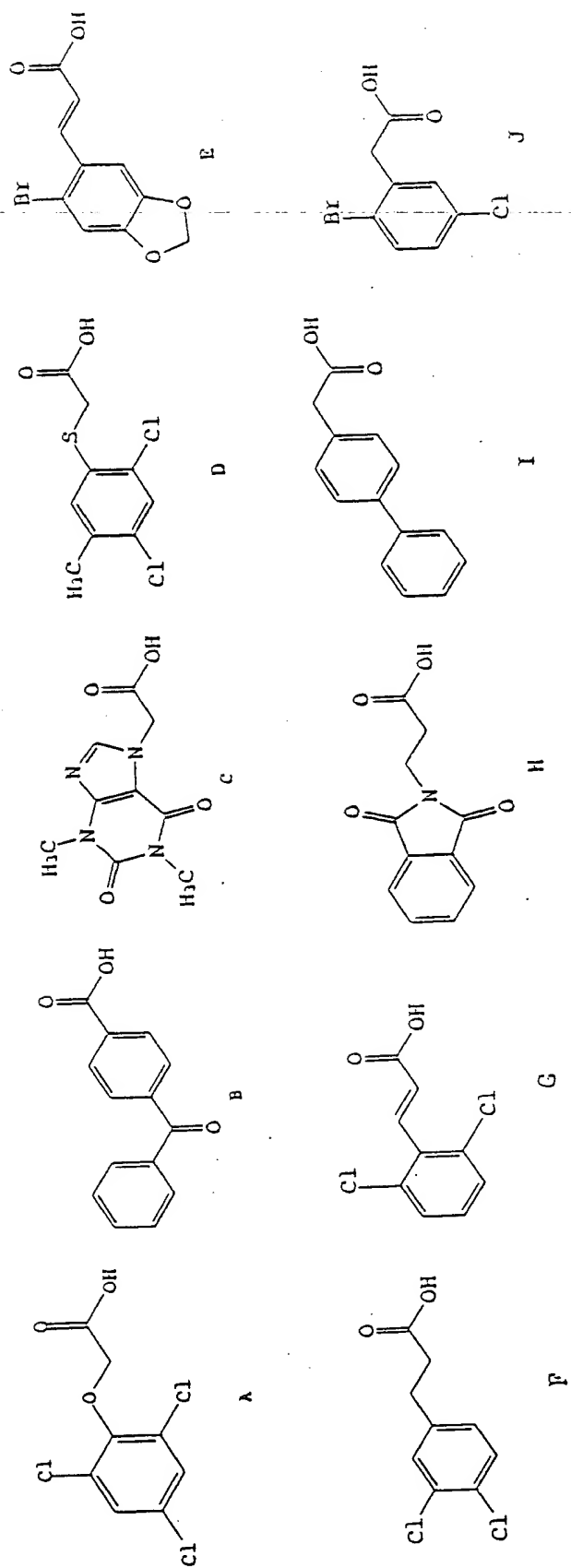
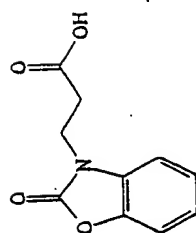
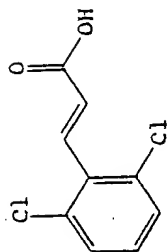


FIG. 4B

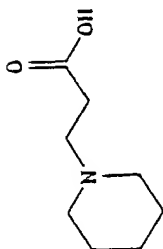
R₃ substituent



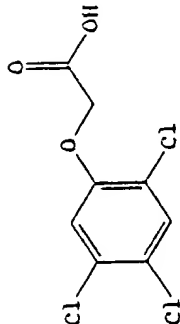
A



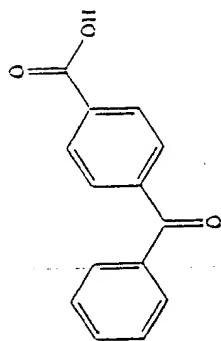
B



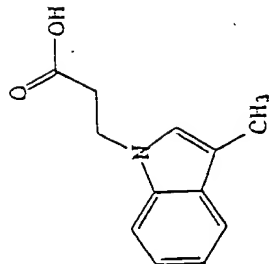
C



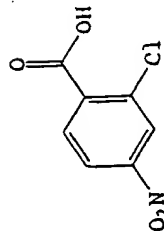
D



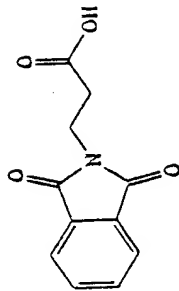
E



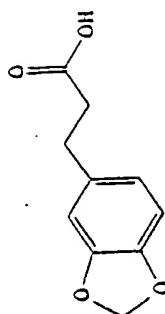
G



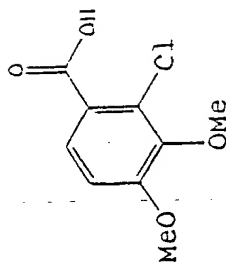
F



H



I



J

FIG. 4C

R₁ substituent

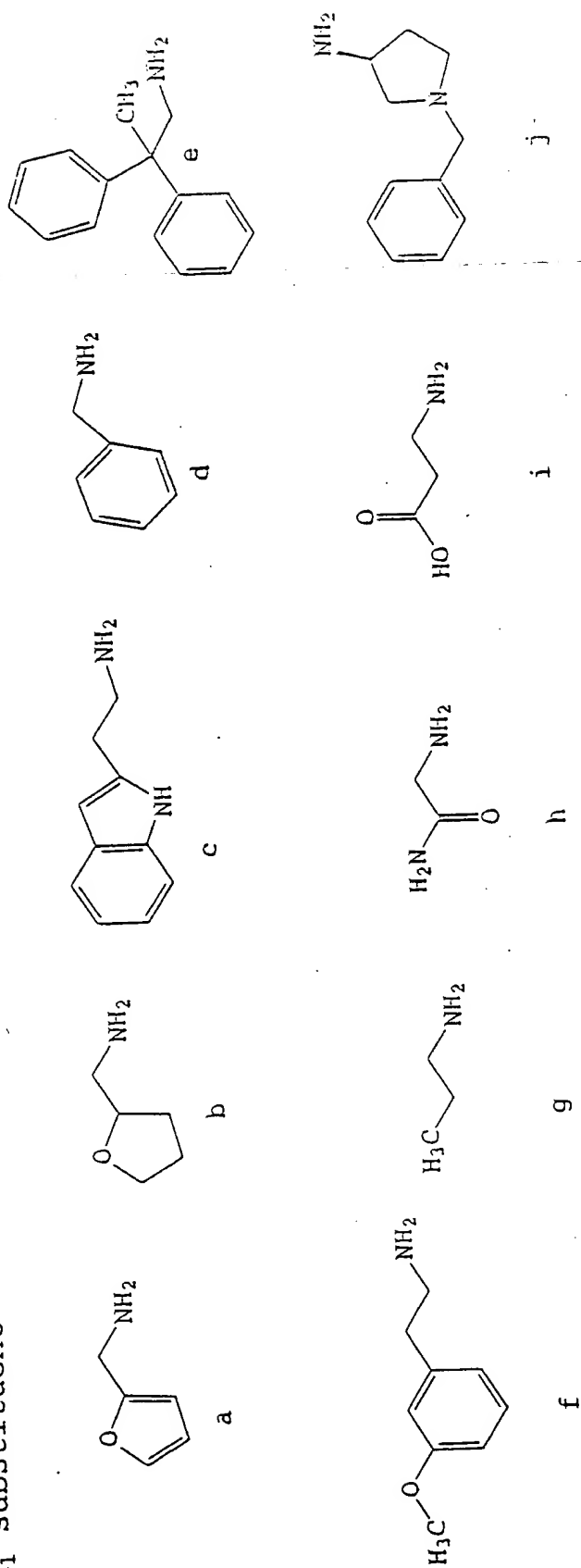


FIG. 5A

R₂ substituent

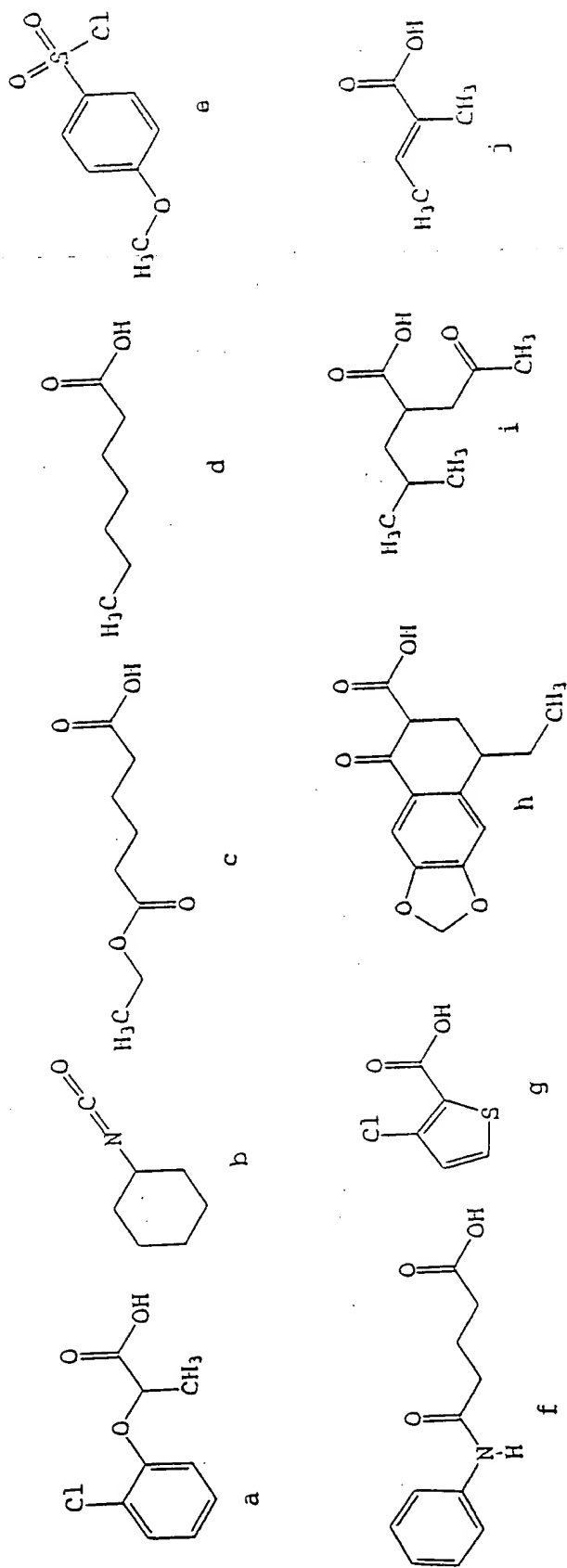


FIG. 5B

R₃ substituent

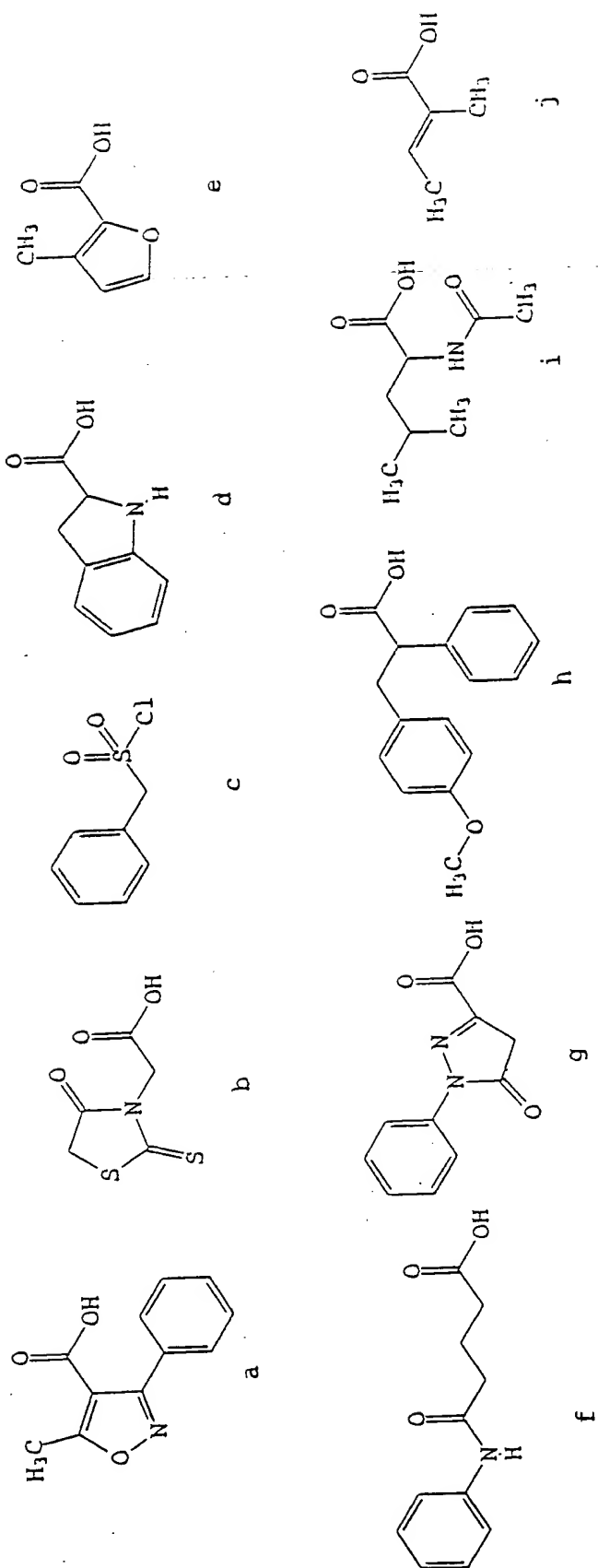
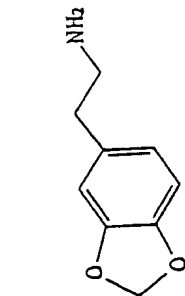
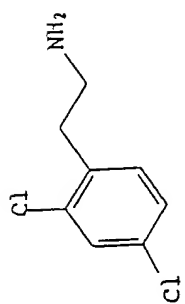


FIG. 5C

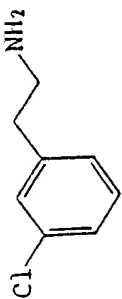
R₁ substituent



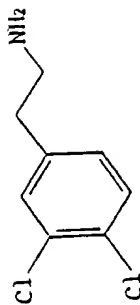
E



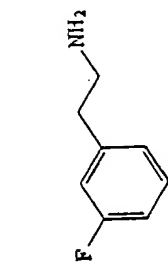
F



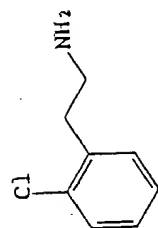
G



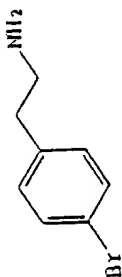
H



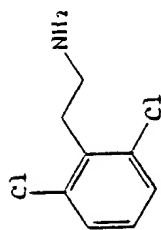
M



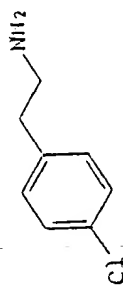
N



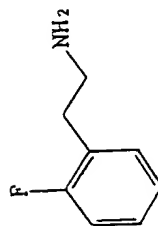
O



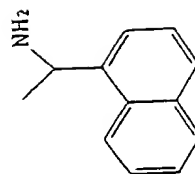
P



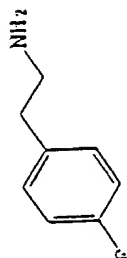
Q



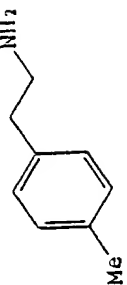
R



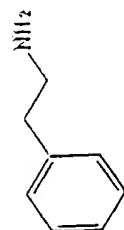
S



T



U



V

FIG. 6A

R₃ substituent

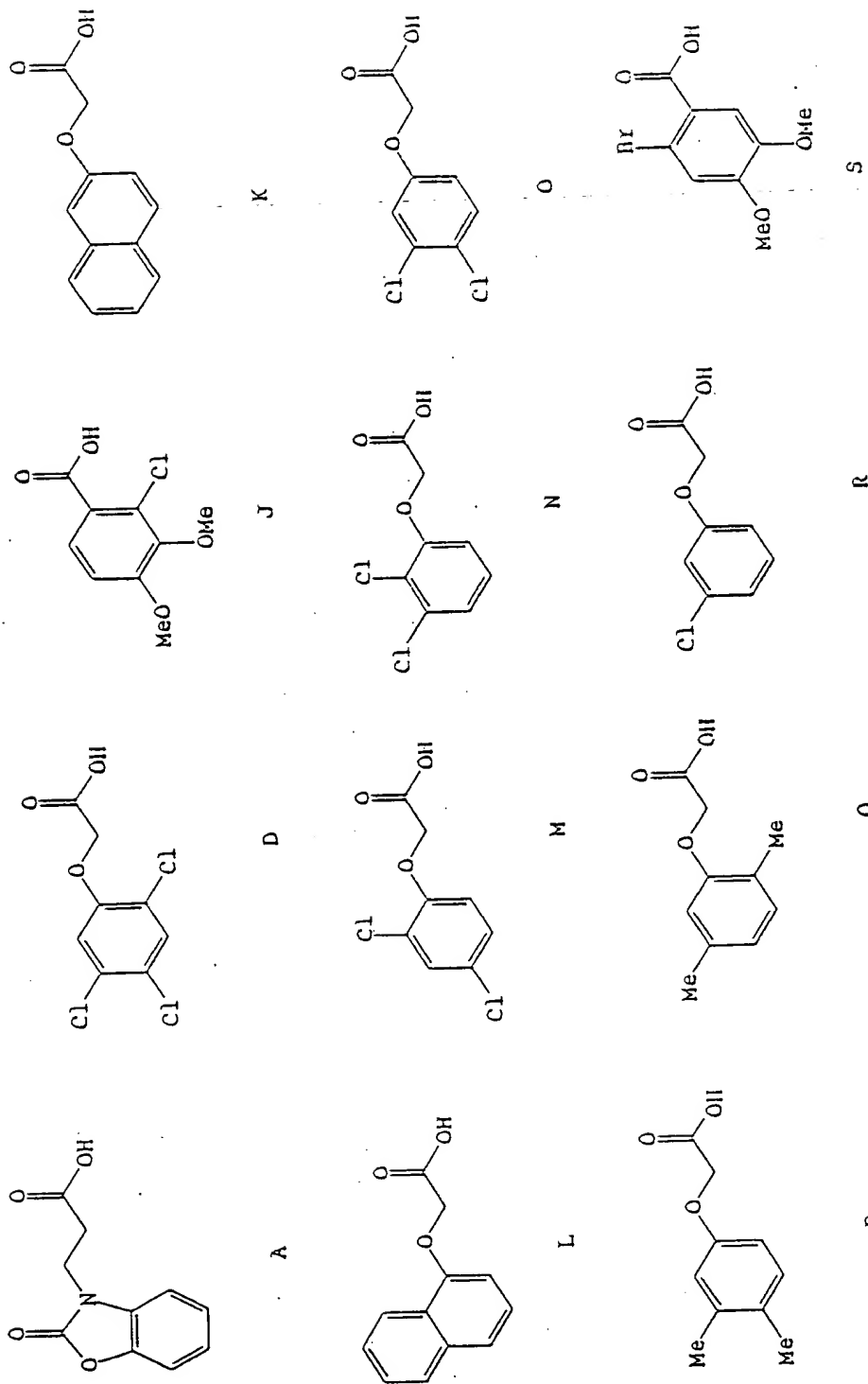


FIG. 6C

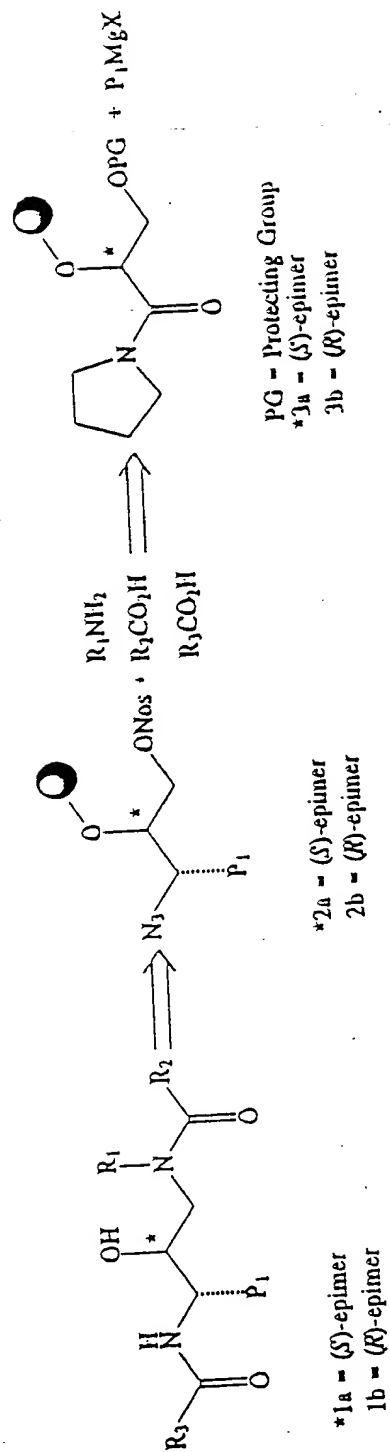
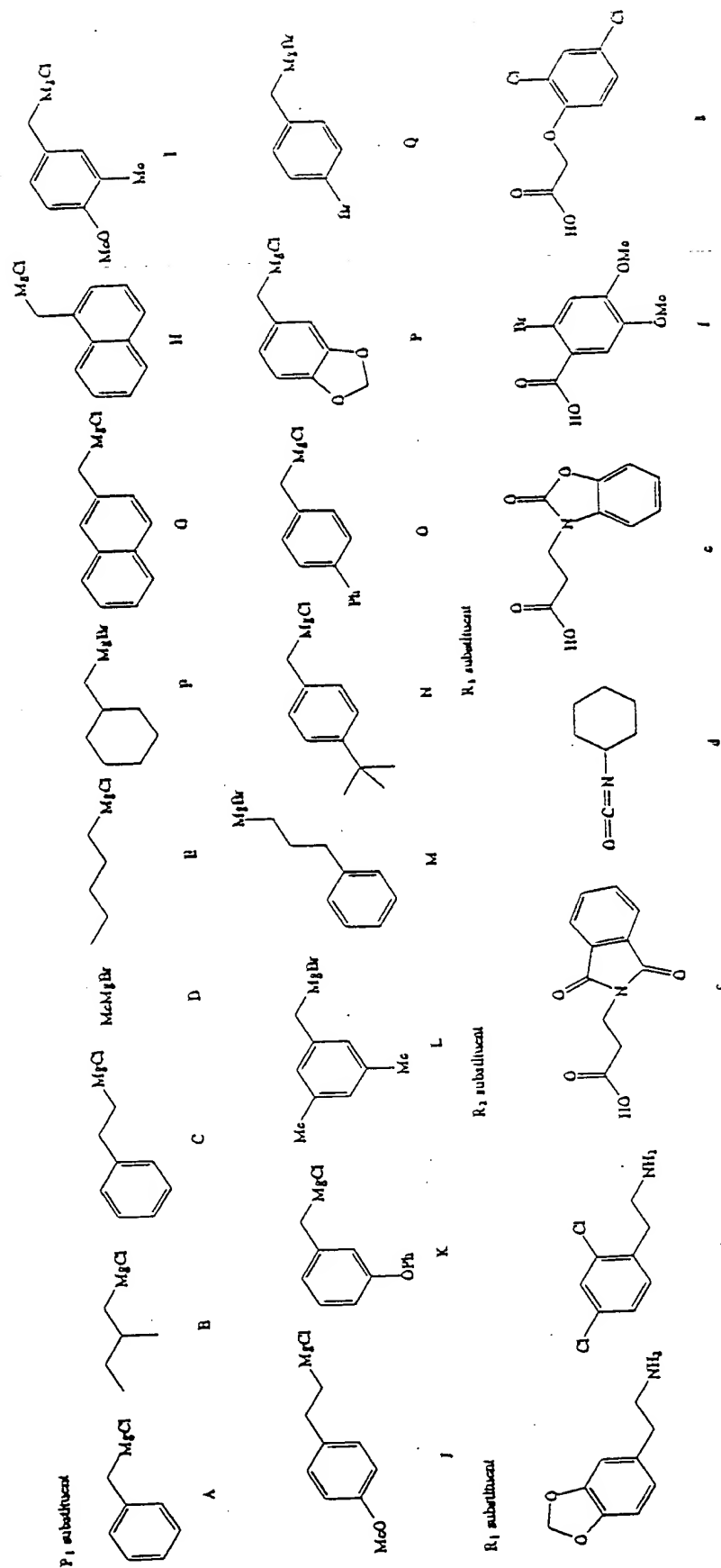


FIG. 7



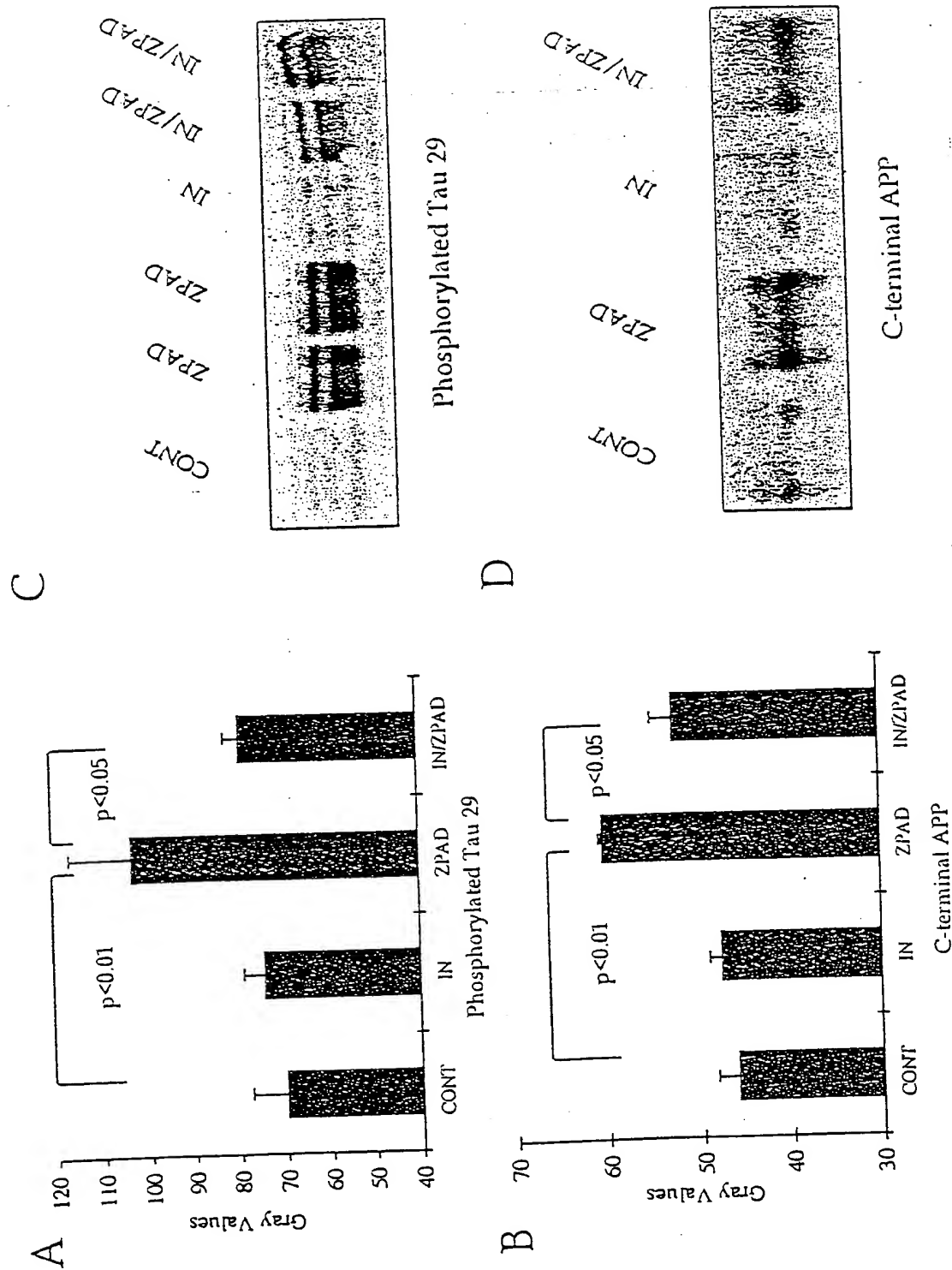


Figure 10

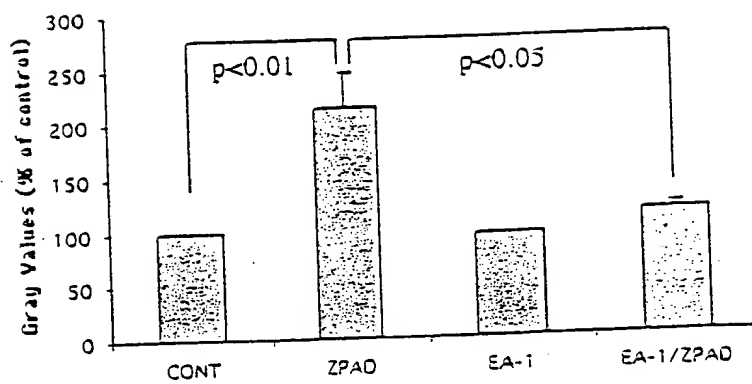


Figure 11

Table 1 Cathepsin D inhibitors

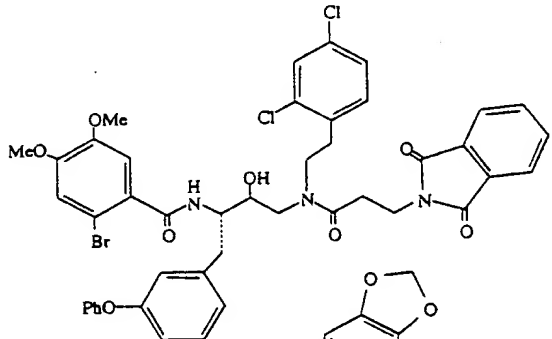
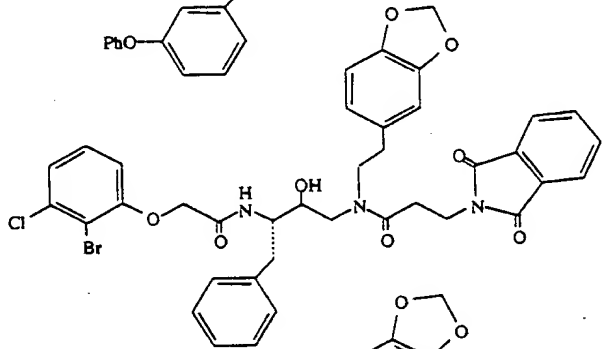
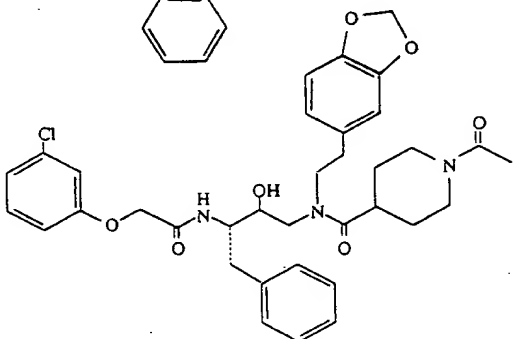
Name	Structures	Molecular Weight	K _i (nM)
CEL5-A		889.6	0.7
CEL5-G		697.2	15
EA-1		650	1.9

FIG. 12

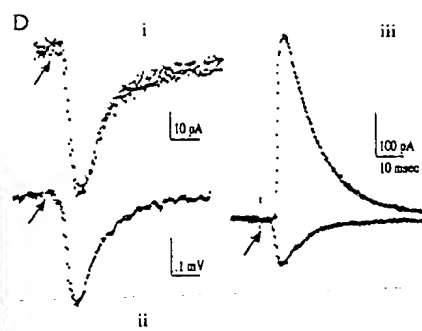
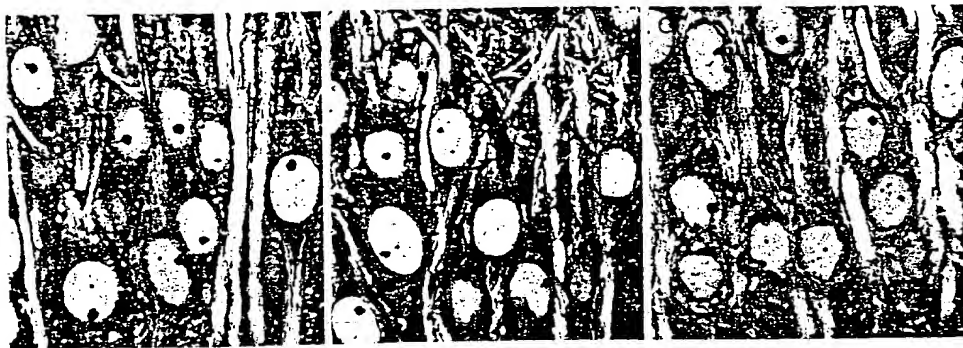


FIG. 13

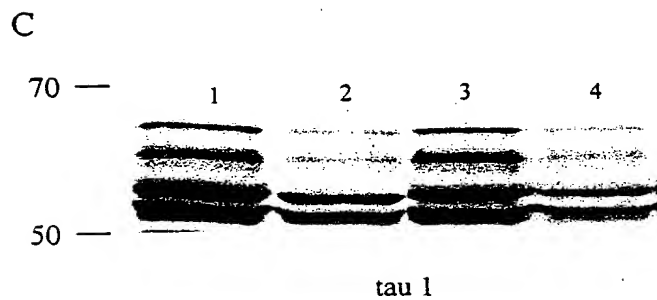
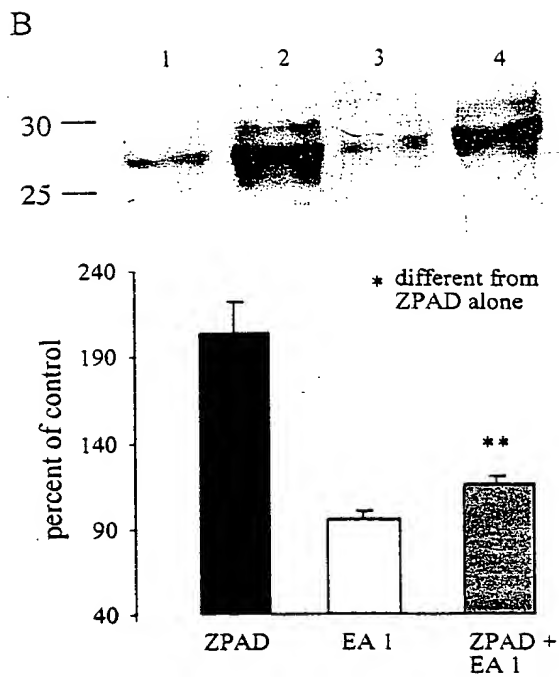
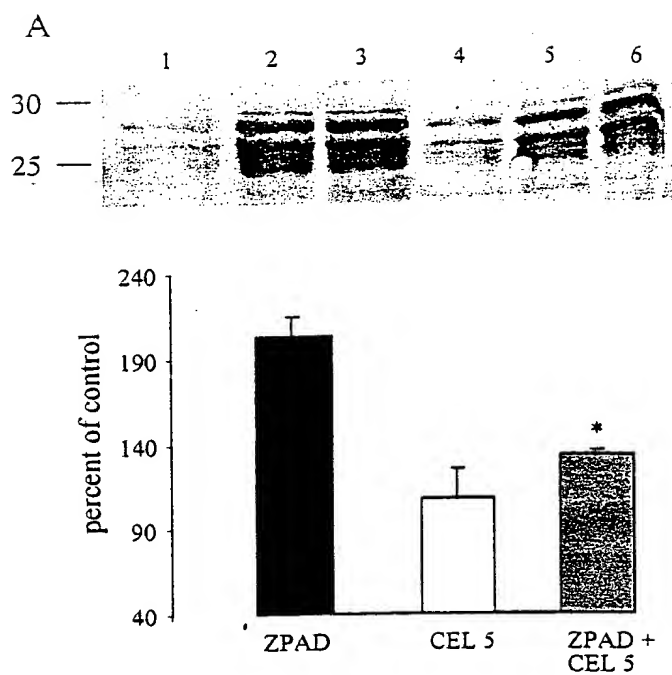


FIG. 14

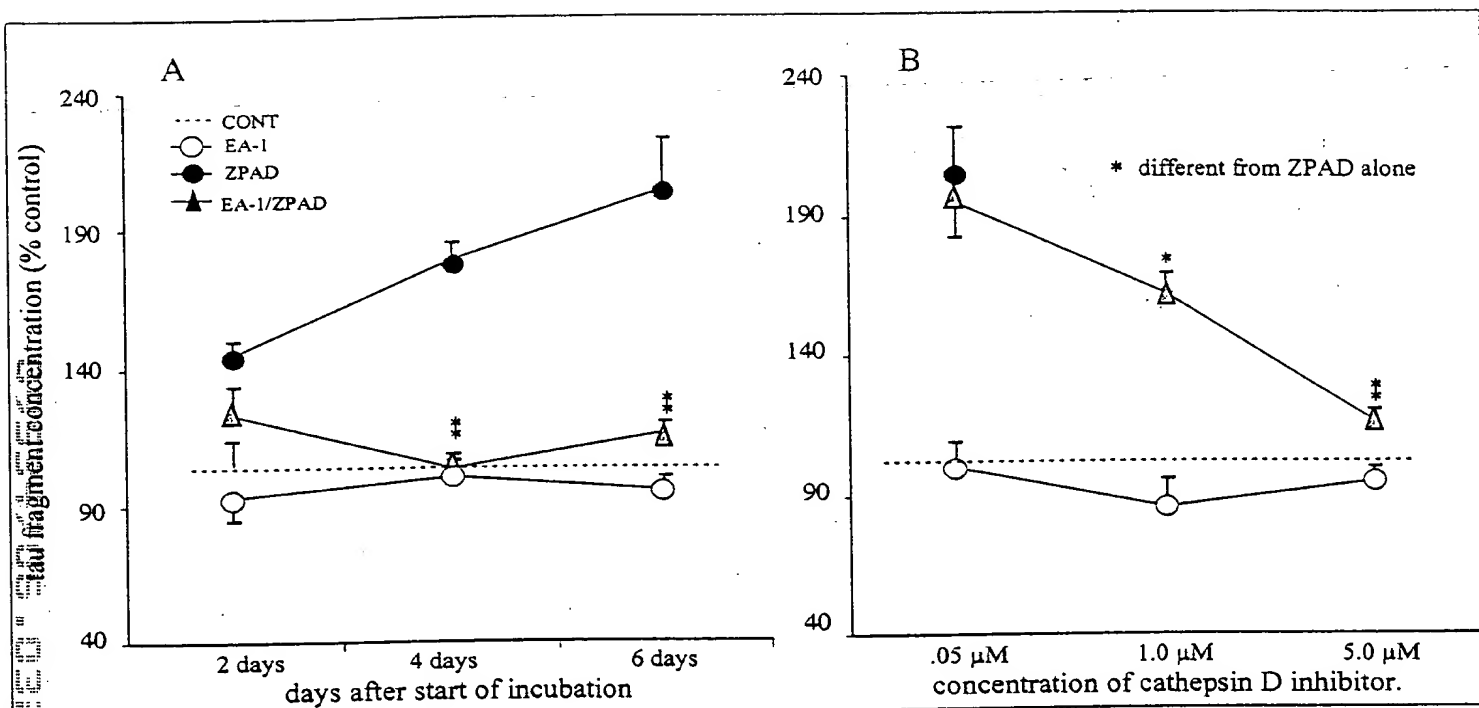


FIG. 15

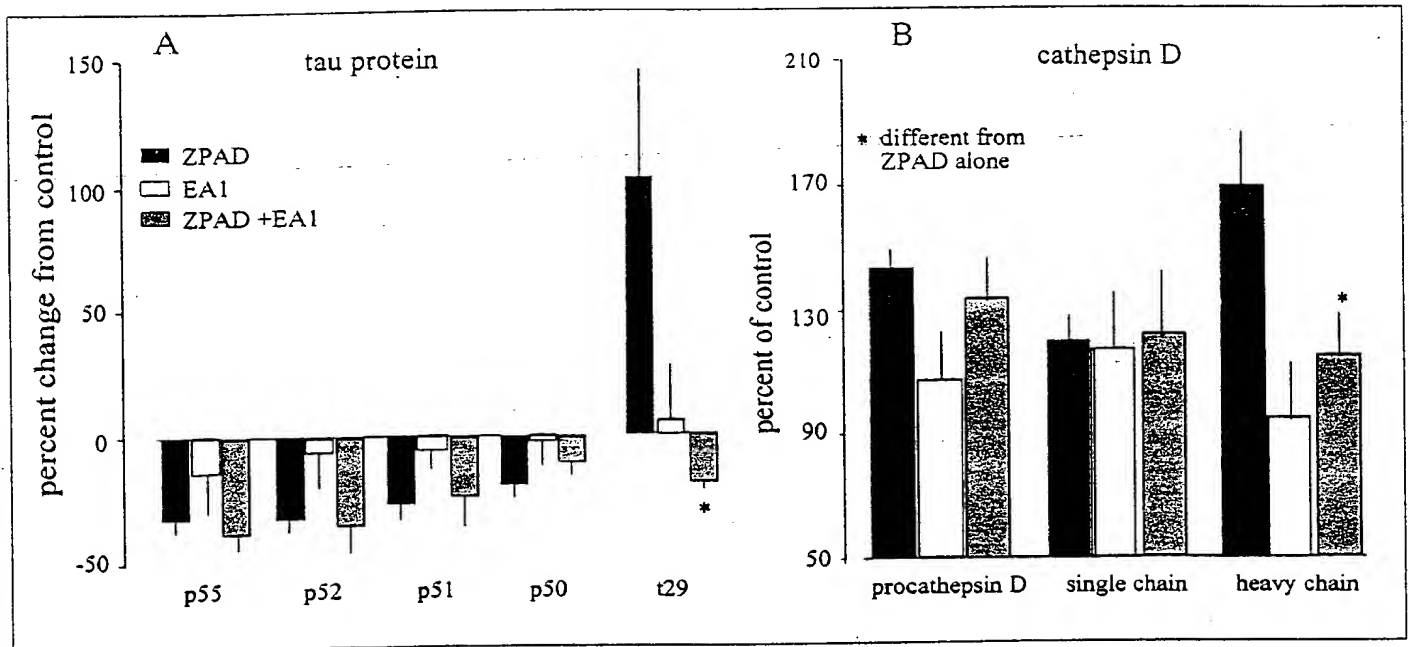


FIG. 16